



Figure 1

**Figure 2.**

**Average Ct**

**Sample**

Human Genomic\_clontech  
 Malignant mammary adenocarcinoma pleural effusion  
 Mammary ductal carcinoma pleural effusion  
 Mammary ductal carcinoma\_human\_45537  
 Mammary ductal carcinoma\_human\_45523  
 Mammary ductal carcinoma\_human\_45535  
 transformed primary embryonal kidney\_human

**Housekeeper Target**

23.40229767	24.718297
24.57459367	25.62105175
23.935565	25.064095
24.06496275	24.8361145
24.286542	25.59857167
24.271219	25.62112767
24.136573	25.86051867

**Figure 3.**

**Target Normalized with Housekeeper**

**Sample**

Human Genomic\_clontech (Calibrator)  
 Malignant mammary adenocarcinoma pleural effusion  
 Mammary ductal carcinoma pleural effusion  
 Mammary ductal carcinoma\_human\_45537  
 Mammary ductal carcinoma\_human\_45523  
 Mammary ductal carcinoma\_human\_45535  
 transformed primary embryonal kidney\_human

**$\Delta$ Ct**                      **Stdev ( $\Delta$ Ct)**

1.69	0.22
-1.85	0.14
1.12	0.24
1.02	0.16
0.49	0.26
1.03	0.18
1.81	0.15

**Figure 4.**

**Target Normalized with Housekeeper**

Sample	$\Delta Ct$	Stdev ( $\Delta Ct$ )	$\Delta\Delta Ct$	Stdev ( $\Delta\Delta Ct$ )	Comparative expression level
Human Genomic_clontech (Calibrator)	1.69	0.22	0	0.22	1
Malignant mammary adenocarcinoma pleural effusion	-1.85	0.14	-3.54	0.14	11.60
Mammary ductal carcinoma pleural effusion	1.12	0.24	-0.57	0.24	1.48
Mammary ductal carcinoma_human_45537	1.02	0.16	-0.67	0.16	1.59
Mammary ductal carcinoma_human_45523	0.49	0.26	-1.20	0.26	2.30
Mammary ductal carcinoma_human_45535	1.03	0.18	-0.66	0.18	1.58
transformed primary embryonal kidney_human	1.81	0.15	0.12	0.15	0.92